

a reflecting surface on the tip of the waveguide for internally reflecting electromagnetic radiation communicated in the propagation direction by the waveguide in a lateral direction relative to the propagation direction;

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a transmitting surface on the tip of the waveguide having a particular area within which radiation propagating in the lateral direction is incident at below a critical angle for transmission through the transmitting surface, wherein at least 90% of all electromagnetic radiation reflected by the reflecting surface; said reflecting surface and said particular area having first and second widths that both extend to the reflecting surface, respectively, transverse to the propagation direction, and wherein the second width is [essentially equal to or greater than the first width] at least 1.4x greater than the first width.

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**Claim 26 (Twice Amended)** A surgical probe for treating benign prostatic hyperplasia (BPH), said probe, comprising:

a waveguide having a tip with a glass cladding extending to a distal end of the tip, the waveguide for communicating electromagnetic radiation in a first propagation direction to the tip of the waveguide;

means for positioning the waveguide during surgery;

a transmitting surface on the tip of the waveguide;

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a reflecting surface on the tip of the waveguide for internally reflecting electromagnetic radiation communicated in the first propagation direction by the waveguide in a second propagation direction toward the transmitting surface; and

wherein [substantially all] at least 90% of all electromagnetic radiation reflected by the reflecting surface is incident on the transmitting surface at below a critical angle for transmission through the transmitting surface.

#### **REMARKS**

Applicant and Applicant's attorney thank the Examiner for the many courtesies extended to them during the telephone interview conducted on November 29, 1992. During the interview, the claims and the references were discussed. Amendments to claims 7 and 26 were suggested.

Claims 1 - 20 and 22-35 remaining pending in this application. Claims 1 - 6 have been allowed, and claims 9 - 15, 17, 18, 22 - 25, 27 - 29 and 31 - 35 are objected to but would be allowed if they depended from an allowed claim. Claims 7, 8, 16, 20, 26 and 30 currently stand rejected. With this response, claims 7 and 26 have been amended to overcome the grounds of rejection. It is submitted that claims 8, 16, 19, 20, 26 and 30, because they